

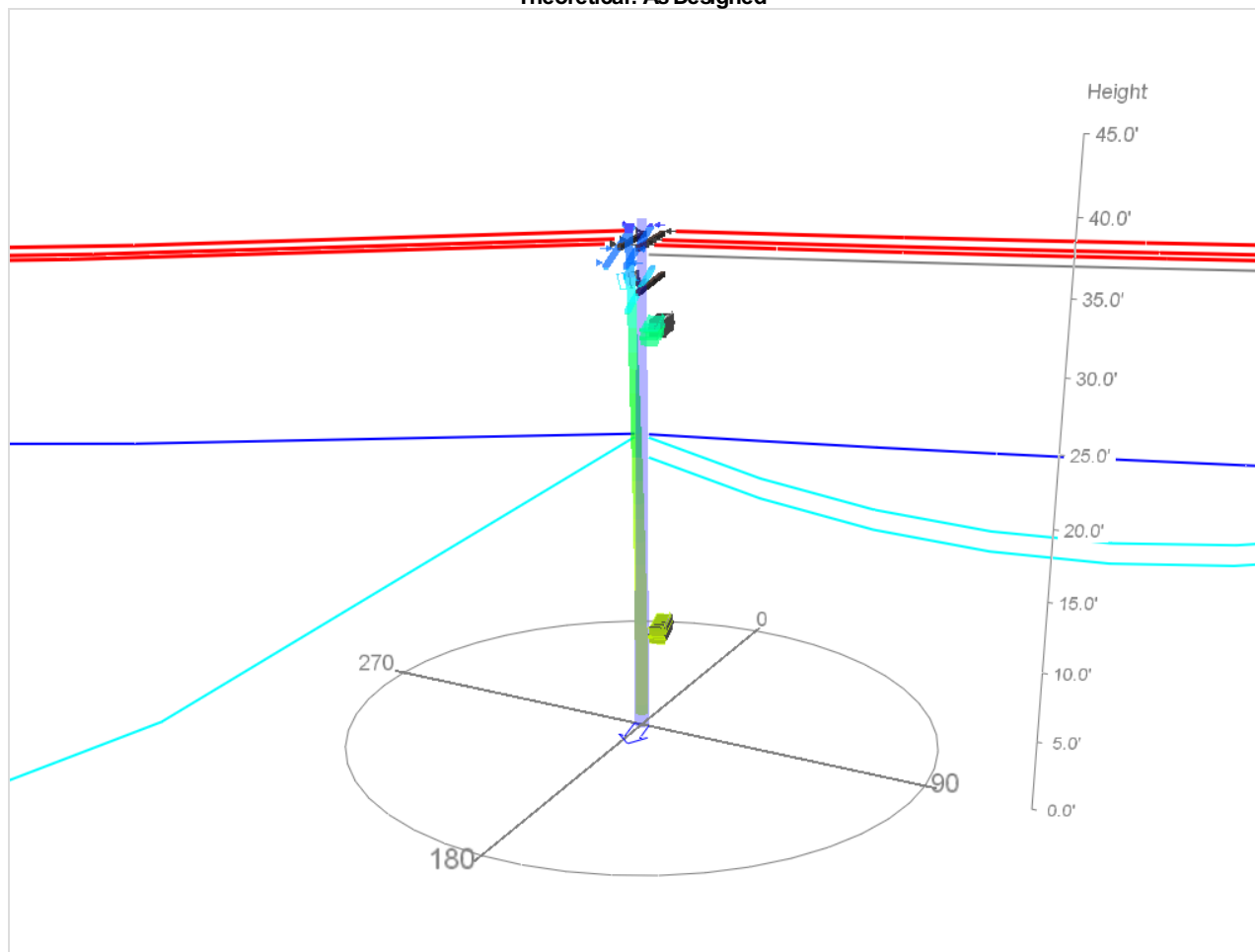
## Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

## Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	45/2	3.81 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	Y

## Theoretical: As Designed



## Analysis Results

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.81 from stress at 3' 3"	2098 / 8000 lb/in <sup>2</sup>	170 °	8000 lb/in <sup>2</sup>

## Wire End Points and Wires

WEF#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	66'	74 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
										Tension	Sag
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lb*	Dynamic	1830.17 lb**	0' 5"***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lb*	Dynamic	2181.19 lb**	0' 4"***
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lb*	Dynamic	2084.49 lb**	0' 4"***
Wire#13	9/32" EHS	SCE	Guy	Light Full	36' 2"	0' 0"	1	600 lb*	Dynamic	1383.94 lb**	0' 4"***
Wire#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 1"	0' 0"	1	1439 lb*	Dynamic	2476.75 lb**	0' 5"***
Wire#10	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	6 lb*	Dynamic	155.04 lb**	2' 11"***
Wire#9	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	6 lb*	Dynamic	155.04 lb**	2' 11"***
Wire#11	.25" TELCO Service	Unknown	Communication Service	Service	21' 4"	0' 0"	1	6 lb*	Dynamic	155.04 lb**	2' 11"***

WEF#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	318'	253 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
										Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lb*	Dynamic	2450.08 lb**	6' 11"***
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lb*	Dynamic	2432 lb**	7' 0"***
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lb*	Dynamic	2468.37 lb**	6' 11"***
Wire#7	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 1"	0' 0"	1	1449 lb*	Dynamic	3021.1 lb**	7' 10"***
Wire#12	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	15 lb*	Dynamic	182.9 lb**	58' 9"***

\*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

\*\* Tension value is inclusive of environmental and load factors associated with the Load Case.

\*\*\* Sag value is inclusive of environmental and load factors associated with the Load Case.

## Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#2	Fuse Arm with 3 Cutouts	SCE	Cutout Arrestor	34' 2"	34' 2"	343 °
Equip#1	150 kVAR Capacitor Bank - Old	SCE	Capacitor	31' 2"	31' 2"	74 °
Equip#3	Automatic Capacitor Control Box	SCE	Capacitor	8' 0"	8' 0"	74 °

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 2"	Bisector	163 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6
CrossArm#2	10 Foot Cross Arm	34' 2"	Bisector	163 °	5' 0"	

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Deadend	74 °	0' 4"	Wire#4
Insulator#2	12 kV Deadend	253 °	0' 4"	Wire#3
Insulator#3	12 kV Deadend	74 °	9' 8"	Wire#5
Insulator#4	12 kV Deadend	253 °	9' 8"	Wire#1
Insulator#5	12 kV Deadend	74 °	3' 7"	Wire#2
Insulator#6	12 kV Deadend	253 °	3' 7"	Wire#6

## Location 686704E Location Forms

SAP	<ul style="list-style-type: none"> <li>Field Inspection Date: 05/04/2020</li> <li>High Fire: Extreme</li> <li>Special Project: No</li> <li>Associated Poles:</li> <li>Visible Damage: No</li> <li>Pole Type: ED</li> <li>District: --</li> <li>Region: --</li> <li>Above 3000 Ft Elevation: --</li> <li>As Designed Work Type: Existing</li> <li>Access Notes:</li> </ul>
Pole Info Form	<ul style="list-style-type: none"> <li>Pole Equipment#:</li> <li>Previous Inspection Date:</li> <li>Year Installed:</li> <li>As Is POA Height:</li> <li>As Is POA Diameter:</li> <li>As Designed POA Height:</li> <li>As Designed POA Diameter:</li> <li>Thomas Guide/Quadrant:</li> <li>Circuit:</li> <li>Substation:</li> <li>FLM:</li> <li>Location:</li> <li>City:</li> <li>Brand Height:</li> <li>Date Pole Load Performed:</li> <li>Comments:</li> <li>GPS Location: N/A</li> </ul>
QC Comments	<ul style="list-style-type: none"> <li>QC Comments:</li> </ul>